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WHAT IS CLAIMED IS:

- A geotextile/polyurethane composite comprising:
 one or more geotextiles substantially impregnated with a one-component heterogeneous liquid polyurethane composition comprising,
- i) an isocyanate groups containing solid dispersed in a liquid isocyanate reactive compound,

or

- ii) a solid isocyanate reactive compound dispersed in a liquid isocyanate, isocyanate adduct, or isocyanate terminated prepolymer,
- optionally catalysts, viscosity adjusting additives, solvents, surfactants, crosslinking agents, pigments, fillers, and other additives.
- 15 2. A liner for irrigation canals and ditches comprising the geotextile/polyurethane composite according to Claim 1.
- The geotextile/polyurethane composite according to Claim 1 having an elongation of at least about 5 % and a tensile strength of at least
 about 200 psi.
 - 4. The geotextile/polyurethane composite according to Claim 1, wherein the water absorption is less than about 10 % by weight.
- 5. The geotextile/polyurethane composite according to Claim 1, wherein the one or more geotextiles includes at least one thicker, more sponge-like geotextile.
- 6. The geotextile/polyurethane composite according to Claim 1, wherein the one or more geotextiles are substantially impregnated with the one-component heterogeneous liquid polyurethane composition such that

PO-7931 - 14 -

the amount of polymer present in the composite ranges from about 0.2 kg to about 20 kg of polymer per square meter of geotextile.

- 7. The geotextile/polyurethane composite according to Claim 1, wherein the one or more geotextiles are impregnated with the one-component heterogeneous liquid polyurethane composition such that the amount of polymer present in the composite ranges from about 0.5 kg to about 5 kg of polymer per square meter of geotextile.
- 10 8. The geotextile/polyurethane composite according to Claim 1 having a thickness of from about 40 microns to about 500 microns.
 - 9. A process of forming a geotextile/polyurethane composite comprising the steps of:
- impregnating one or more geotextiles substantially with a one component heterogeneous liquid polyurethane composition comprising,
 - an isocyanate groups containing solid dispersed in a liquid isocyanate reactive compound,

or

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20 ii) a solid isocyanate reactive compound dispersed in a liquid isocyanate, isocyanate adduct, or isocyanate terminated prepolymer,

optionally catalysts, viscosity adjusting additives, solvents, surfactants, crosslinking agents, pigments, fillers, and other additives;

conforming the one or more heterogeneous liquid polyurethane
impregnated geotextiles to a surface; and
applying heat or a solvent to the heterogeneous liquid polyurethane
impregnated geotextile to form a geotextile reinforced
polyurethane/polyurea composite.

PO-7931 - 15 -

10. The process according to Claim 9, wherein the composite is a liner for irrigation canals and/or ditches.

- 11. The process according to Claim 9, wherein the composite5 has an elongation of at least about 5 % and a tensile strength of at least about 200 psi.
 - 12. The process according to Claim 9, wherein the one or more geotextiles includes at least one thicker, more sponge-like geotextile.

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- 13. The process according to Claim 9, wherein the one or more geotextiles are impregnated with the one-component heterogeneous liquid polyurethane composition such that the amount of polymer present in the composite ranges from about 1 kg to about 20 kg of polymer per square meter of geotextile.
- 14. The process according to Claim 9, wherein the one or more geotextiles are impregnated with the one-component heterogeneous liquid polyurethane composition that the amount of polymer present in the composite ranges from about 2 kg to about 5 kg of polymer per square meter of geotextile.
- 15. The process according to Claim 9, wherein the composite has a thickness of from about 40 microns to about 500 microns.

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- 16. In a process of lining canals and ditches, the improvement comprising including the composite according to Claim 1.
- 17. In a process of lining canals and ditches, the improvement30 comprising including the composite made by the process according toClaim 9.